We claim:

- 1. A polynucleotide comprising a fragment of SEQ ID NO: 1 or a fragment of a sequence that hybridizes under high stringency conditions with SEQ ID NO: 1, wherein said polynucleotide specifically induces expression in cardiac cells *in vivo* of a gene which is operably linked to said polynucleotide.
- 2. The polynucleotide according to claim 1, wherein the sequence of said polynucleotide is at least 93% identical to a fragment of SEQ ID NO: 1.
- 3. An expression cassette comprising a sequence encoding a protein or an RNA of therapeutic interest operably linked to the polynucleotide according to claim 1.
- 4. A polynucleotide comprising a fragment of SEQ ID NO: 2 or a fragment having at least 80% sequence identity to a fragment of SEQ ID NO: 2, wherein said polynucleotide specifically induces expression in cardiac cells *in vivo* of a gene which is operably linked to said polynucleotide.
- 5. An expression cassette comprising a sequence encoding a protein or an RNA of therapeutic interest operably linked to the polynucleotide according to claim 4.
- 6. The expression cassette according to claim 3, wherein the protein or RNA of therapeutic interest increases a rate of cardiac cell division, reduces or suppresses an immune response, induces angiogenesis, changes muscle contractility, reduces cardiac hypertrophy, reduces cardiac insufficiency, or reduces myocarditis.
- 7. The expression cassette according to claim 5, wherein the protein or RNA of therapeutic interest increases a rate of cardiac cell division, reduces or suppresses an immune response, induces angiogenesis, changes muscle contractility, reduces cardiac hypertrophy, reduces cardiac insufficiency, or reduces myocarditis.

- 8. The expression cassette according to claim 3, wherein the protein or RNA of therapeutic interest is a vascular endothelial growth factor, a fibroblast growth factor, an angiopoietin, or a cytokine.
- 9. The expression cassette according to claim 5, wherein the protein or RNA of therapeutic interest is a vascular endothelial growth factor, a fibroblast growth factor, an angiopoietin, or a cytokine.
- 10. The expression cassette according to claim 3, wherein the protein or RNA of therapeutic interest is an activating or an inhibiting transcription factor.
- 11. The expression cassette according to claim 5, wherein the protein or RNA of therapeutic interest is an activating or an inhibiting transcription factor.
- 12. The expression cassette according to claim 3, wherein the protein of therapeutic interest is an immunosuppressive protein.
- 13. The expression cassette according to claim 12, wherein the immunosuppressive protein is interleukin-10, interleukin-2, or interleukin-8.
- 14. The expression cassette according to claim 5, wherein the protein of therapeutic interest is an immunosuppressive protein.
- 15. The expression cassette according to claim 14, wherein the immunosuppressive protein is interleukin-10, interleukin-2, or interleukin-8.
- 16. The expression cassette according to claim 3, wherein the RNA of therapeutic interest is an antisense RNA or a ribozyme.
- 17. The expression cassette according to claim 5, wherein the RNA of therapeutic interest is an antisense RNA or a ribozyme.

- 18. The expression cassette according to claim 3, wherein the protein of therapeutic interest is nitric oxide synthetase, superoxide dismutase, or catalase.
- 19. The expression cassette according to claim 5, wherein the protein of therapeutic interest is nitric oxide synthetase, superoxide dismutase, or catalase.
 - 20. A vector comprising the polynucleotide according to claim 1.
 - 21. A vector comprising the polynucleotide according to claim 4.
 - 22. A vector comprising the expression cassette according to claim 3.
 - 23. A vector comprising the expression cassette according to claim 5.
- 24. The vector according to claim 20, further comprising an origin of replication which is active in cardiac cells.
- 25. The vector according to claim 21, further comprising an origin of replication which is active in cardiac cells.
 - 26. The vector according to claim 20, which is a plasmid or a cosmid.
 - 27. The vector according to claim 21, which is a plasmid or a cosmid.
- 28. The vector according to claim 20, which is or is derived from an adenovirus, a retrovirus, a herpesvirus, or an adeno-associated virus.
- 29. The vector according to claim 21, which is or is derived from an adenovirus, a retrovirus, a herpesvirus, or an adeno-associated virus.
- 30. A composition comprising a therapeutically-effective amount of the polynucleotide according to claim 1 and a pharmaceutically-acceptable carrier.
- 31. A composition comprising a therapeutically-effective amount of the polynucleotide according to claim 4 and a pharmaceutically-acceptable carrier.

- 32. A composition comprising a therapeutically-effective amount of the vector according to claim 20 and a pharmaceutically-acceptable carrier.
- 33. A composition comprising a therapeutically-effective amount of the vector according to claim 21 and a pharmaceutically-acceptable carrier.
- 34. A transgenic nonhuman animal comprising a reporter gene operably linked to the polynucleotide according to claim 1.
- 35. A transgenic nonhuman animal comprising a reporter gene operably linked to the polynucleotide according to claim 4.
- 36. A method for expressing a protein or an RNA of therapeutic interest in cardiac cells *in vivo*, comprising
 - preparing a vector according to claim 22, and
 - introducing said vector into cardiac cells *in vivo* so that said protein or RNA of therapeutic interest is expressed.
- 37. A method for expressing a protein or an RNA of therapeutic interest in cardiac cells *in vivo*, comprising
 - preparing a vector according to claim 23, and
 - introducing said vector into cardiac cells *in vivo* so that said protein or RNA of therapeutic interest is expressed.
- 38. The vector according to claim 20, which is any DNA not encapsidated by viral proteins.
- 39. The vector according to claim 21, which is any DNA not encapsidated by viral proteins.